

REMARKS/DISCUSSION OF ISSUES

By this Amendment, Applicants amend claims 1-11 and 13, and add new claims 14-20. Accordingly, claims 1-20 are pending in the application.

Applicants thank the Examiner for acknowledging the claim for priority and receipt of certified copies of all the priority documents, and for indicating that the drawings are acceptable.

Claims are amended to replace European-style claim phraseology with American-style claim language and for clarification. The claims are not narrowed in scope and no new matter is added.

New claims 14-19 are added to at least partially restore the original range of claims that existed before multiple dependencies were removed in the preliminary amendment. No new matter is added.

Reexamination and reconsideration are respectfully requested in view of the following Remarks.

35 U.S.C. § 112

The Office Action rejects claims 1-13 under 35 U.S.C. § 112, second paragraph, as supposedly being indefinite.

Applicants respectfully traverse those rejections for at least the following reasons.

At the outset, although the Office Action mentions claims 1 and 10, and claims 2-7 and 9-10, it does not mention why independent claim 13 is rejected. Accordingly, Applicants are not able to respond to that rejection at this time, other than to generally avert that claim 13 does indeed satisfy the requirements of 35 U.S.C. § 112, second paragraph, as explained below.

Claim 1

The Office Action states that claim 1 is "*indefinite because it does not state when the alternating current pulse is superimposed "with a second current pulse of the same polarity and thus the actual functioning of the device is indeterminable."*"

At the outset, claim 1 recites a method and not a "device."

35 U.S.C. § 112, second paragraph merely requires that claim 1 particularly point out and distinctly claim the subject matter which applicants regards as the invention. Applicants respectfully submit that claim 1 clearly meets this requirement. Claim 1 is not limited to any particular time when the alternating current pulse is superimposed with a second current pulse of the same polarity. The specification teaches a variety of times when the pulse may occur, including for example and not by way of limitation: during a white segment, during a transition from one color to another, during the last 80% of the total duration of a half cycle, periodically, aperiodically, etc. Many of these specific time periods are recited in dependent claims, but claim 1 is broadly recited to encompass all of them. Applicants respectfully submit that there is nothing at all "unclear" about that. Furthermore, Applicants respectfully submit that there is no requirement under 35 U.S.C. § 112, second paragraph that Applicants should be limited to claiming some particular time for the superimposition of the second current pulse.

Regarding the use of reference numerals, although Applicants do not agree with the Office Action's reasoning, they have now been deleted from the claims to conform to more standard U.S. patent practice.

Regarding claims 2-3, 5-7 and 9-10, the claims are amended to clarify that the current pulse being mentioned is the second current pulse of claim 1.

Regarding claim 13, the claim is drawn to a projector which includes a high-pressure gas discharge lamp supplied with a square wave similar to that produced in the method of claim 1. Again, Applicants respectfully submit that there is no requirement under 35 U.S.C. § 112, second paragraph that Applicants should be limited to claiming some particular time for the superimposition of the second current pulse.

Therefore, for at least these reasons, Applicants respectfully submit that claims 1-13 are all patentable under 35 U.S.C. § 112, second paragraph. Accordingly, Applicants respectfully request that the rejections of claims 1-13 under 35 U.S.C. § 112, second paragraph be withdrawn.

New claims 14-20 are also deemed patentable under 35 U.S.C. § 112, second paragraph.

CONCLUSION

In view of the foregoing explanations, Applicants respectfully request that the Examiner reconsider and reexamine the present application, allow claims 1-20 and pass the application to issue. In the event that there are any outstanding matters remaining in the present application, the Examiner is invited to contact Kenneth D. Springer (Reg. No. 39,843) at (571) 283.0720 to discuss these matters.

Respectfully submitted,

VOLENTINE & WHITT

By:



Kenneth D. Springer
Registration No. 39,843

VOLENTINE & WHITT
One Freedom Square
11951 Freedom Drive, Suite 1260
Reston, Virginia 20190
Telephone No.: (571) 283.0724
Facsimile No.: (571) 283.0740